

Title (en)
ARTICLE CARRIER FOR A GRADING APPARATUS

Title (de)
GEGENSTANDSTRÄGER FÜR EINE SORTIERVORRICHTUNG

Title (fr)
SUPPORT D'ARTICLES POUR UN APPAREIL DE CLASSEMENT

Publication
EP 2917138 A4 20160608 (EN)

Application
EP 13852682 A 20131106

Priority

- NZ 60348112 A 20121108
- NZ 2013000199 W 20131106

Abstract (en)
[origin: WO2014073987A1] An article carrier (100) has a mounting portion (1) adapted for connection to a conveyor. A connecting member (4) is rotatably connected to the mounting portion (1) and is rotatable relative to the mounting portion (1) about a first axis of rotation (R1). A carrier portion (3) is rotatably connected to the connecting member (4) and is rotatable relative to the connecting member (4) about a second axis of rotation (R2), wherein the first axis of rotation (R1) is spaced apart from the second axis of rotation (R2). A releasably lockable carrier support means (5) is provided to support the carrier portion (3) in a carriage position when in a locked state, and to allow rotation of the carrier portion (3) to a discharge position when in an unlocked state.

IPC 8 full level
B07B 13/08 (2006.01); **B07C 5/36** (2006.01); **B65G 47/96** (2006.01)

CPC (source: EP US)
B07B 13/08 (2013.01 - EP US); **B07B 13/16** (2013.01 - US); **B07C 5/36** (2013.01 - EP US); **B65G 47/965** (2013.01 - US); **B07C 2501/009** (2013.01 - EP US); **B65G 2203/0258** (2013.01 - US)

Citation (search report)

- [X] US 7222715 B2 20070529 - MADDEN IAN ROBERT [AU], et al
- [XI] US 5662206 A 19970902 - BAUM INGOLF [DE], et al
- [X] FR 688897 A 19300829 - BURTON FILS SARL ETS
- See references of WO 2014073987A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014073987 A1 20140515; WO 2014073987 A8 20150528; AU 2013341875 A1 20150507; BR 112015010460 A2 20170711; CL 2015001216 A1 20150925; CN 104981419 A 20151014; CN 104981419 B 20170609; DK 2917138 T3 20190415; EP 2917138 A1 20150916; EP 2917138 A4 20160608; EP 2917138 B1 20190102; ES 2718206 T3 20190628; JP 2015533649 A 20151126; KR 20150110476 A 20151002; MX 2015005709 A 20160630; MX 357853 B 20180726; PL 2917138 T3 20190830; TR 201904813 T4 20190422; US 2015298175 A1 20151022; US 9527113 B2 20161227

DOCDB simple family (application)
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